

Comparisons of Job Characteristics

Focus Occupation: Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4032)

Associated Occupation: Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic (51-4031)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4032)
Associated Occupation: Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic (51-4031)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Production and Processing	6.0	10.2	11.7	> Current knowledge level is likely sufficient
Mechanical	6.8	8.8	15.9	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4032)
Associated Occupation: Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic (51-4031)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation Monitoring	6.6	10.2	11.6	> Skill level is likely sufficient
Operation and Control	5.4	9.8	8.7	< A higher skill level may be required
Quality Control Analysis	5.9	9.8	8.2	< A higher skill level may be required
Equipment Maintenance	3.5	6.8	5.9	< A higher skill level may be required
Troubleshooting	4.5	6.2	6.9	> Skill level is likely sufficient
Repairing	3.4	5.6	5.9	0 Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4032)
Associated Occupation: Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic (51-4031)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Control Precision	6.6	11.8	11.1	0	Current ability level may be sufficient
Arm-Hand Steadiness	6.8	11.4	10.4	0	Current ability level may be sufficient
Multilimb Coordination	6.0	10.0	9.1	0	Current ability level may be sufficient
Reaction Time	4.8	9.5	8.5	<	Some improvement in abilities may be required
Trunk Strength	5.7	9.4	8.8	0	Current ability level may be sufficient
Auditory Attention	5.9	8.9	6.5	<<	Extensive improvement in abilities may be required
Rate Control	3.8	8.9	8.0	<	Some improvement in abilities may be required
Static Strength	5.0	8.8	10.2	>	Current ability level is likely sufficient
Response Orientation	4.0	7.3	6.3	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 100

Focus Occupation: Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4032)
Associated Occupation: Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic (51-4031)

Work Activities	Exclusivity of Activity
Adjust production equipment/machinery setup	25
Examine products or work to verify conformance to specifications	15
Install equipment or attachments on machinery or related structures	48
Load or unload material or workpiece into machinery	34
Measure, weigh, or count products or materials	17
Move or fit heavy objects	8
Operate hoist, winch, or hydraulic boom	34
Operate metal or plastic fabricating equipment/machinery	54
Read blueprints	10
Read production layouts	66
Read technical drawings	7
Read work order, instructions, formulas, or processing charts	9
Recognize characteristics of metals	62
Set up computer numerical control machines	69
Set up production equipment or machinery	51

Understand machine setup instructions	74
Understand technical operating, service or repair manuals	6
Use hand or power tools	2
Use precision measuring tools or equipment	17

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 87

Focus Occupation: Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4032)
Associated Occupation: Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic (51-4031)

Tools and Technologies	Exclusivity
Business function specific software	1
Computers	1
Content authoring and editing software	1
Cutting and crimping and punching tools	3
Drafting supplies	9
Forming tools	2
Hearing protectors	12
Holding and clamping tools	3
Industry specific software	1
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Machine tools	7
Machinery for working wood and stone and ceramic and the like	12
Marking tools	11
Measuring and layout tools	3
Power tools	2
Rough and finishing tools	5
Spacer	80
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.